

ErbB3 receptor under experimentally comparable conditions; and
(b) activation of ErbB4 receptor tyrosine phosphorylation.

40. A host cell expressing the polypeptide of claim 1.

41. The host cell of claim 40, wherein the host cell is selected from the group consisting of a mammalian cell, a yeast cell, an insect cell, a plant cell, a lower eukaryote, and a prokaryote.

42. A host cell expressing the polypeptide of claim 4.

43. The host cell of claim 42, wherein the host cell is selected from the group consisting of a mammalian cell, a yeast cell, an insect cell, a plant cell, a lower eukaryote, and a prokaryote.

44. A host cell expressing the polypeptide of claim 39.

45. The host cell of claim 44, wherein the host cell is selected from the group consisting of a mammalian cell, a yeast cell, an insect cell, a plant cell, a lower eukaryote, and a prokaryote.--
